

CLAIMS

What is claimed is:

- 5 1. A method for reading sensor, comprising:
 connecting a linear sensor and receiving a parameter N, wherein
 said linear sensor has a plurality of memory cells arranged in linear
 order and each said cell is independent from other said cells, and said
 parameter N is a positive integer;
- 10 numbering said memory cells sequentially from a first memory
 cell to a (N-1)-th memory cell depending on the linear arrangement order;
 and
 reading the contents of the unnumbered memory cells
 sequentially from the N-th memory cell.
- 15 2. The method of claim 1, wherein said memory cells are each
 independent from other said cells and are read separately.
- 20 3. The method of claim 1, wherein said parameter is set by
 manually input when said linear sensor is needed to be read.
- 25 4. The method of claim 1, wherein said parameter is
 automatically generated by said linear sensor.
5. The method of claim 1, wherein said parameter corresponds to
 a specific memory cell that is the first one of said memory cells stored
 nonzero signal when said linear sensor is sensing an object.

6. The method of claim 1, wherein an attached parameter L can also be received at the same time to receive said parameter N, and L is a positive integer larger than N, wherein by way of said attached parameter to stop reading unnumbered memory cells after reading the 5 L-th one of memory cells in the linear arrangement order.

7. The method of claim 6, wherein said attached parameter is set by manually input when said linear sensor is needed to be read.

10 8. The method of claim 6, wherein said attached parameter is one of said parameters of said linear sensor.

15 9. The method of claim 6, wherein said attached parameter is a specific memory cell stored the last nonzero signal when said linear sensor is sensing an object.

10. A method for reading sensor, comprising:

20 connecting a 2-D sensor and receiving a specific amount of parameters, wherein said 2-D sensor is composed of a specific amount of linear sensors, and each said linear sensor has a plurality of memory cells arranged by linear order and each parameter is a positive integer corresponding to a single linear sensor; and

25 proceeding the reading action of each said linear sensors from the first one, comprising:

numbering said memory cells sequentially depending on linear arrangement order from said first memory cell until the (N-1)-th memory cell, wherein N is said parameter corresponding to said linear sensor; and

reading the contents of said memory cells that are unnumbered in linear arrangement order sequentially.

11. The method of claim 10, wherein each said memory cell is
5 independent from other said cells and are read separately.

12. The method of claim 11, wherein each said parameter is set by manually input when said 2-D sensor is needed to be read.

10 13. The method of claim 11, wherein each said parameter is automatically generated by corresponding said linear sensor.

14. The method of claim 11, wherein each said parameter is a specific memory cell that is the first one of said memory cells stored
15 nonzero signal when corresponding said linear sensor is sensing an object.

15. The method of claim 11, wherein a plurality of attached parameters can be received at the same time to receive said parameters,
20 wherein each of said attached parameter is an integer larger than corresponding parameter.

16. The method of claim 15, wherein each of said linear sensors corresponds to a specific one of said parameters, but it is not necessary
25 that each of said linear sensors corresponds to a specific one of said attached parameters.

17. The method of claim 15, wherein each of a certain specific

linear sensor corresponds to a certain specific said attached parameter K, stopping reading said memory cells after reading the K-th one of said memory cells when said linear sensor is reading the contents of said unnumbered memory cells sequentially.

5

18. The method of claim 15, wherein the source of any attached parameter comprises: manually input at the moment to read said 2-D sensor, the automatic generation by said linear sensor; and the last specific one of said memory cell stored nonzero signal when said linear sensor is sensing an object.

10

19. A method for reading sensor, comprises:

connecting a linear sensor and receiving a plurality of parameters, wherein said linear sensor has a plurality of memory cells arranged in linear order and each said memory cell is independent from others, and each of said parameters is a positive integers;

15

numbering said memory cells sequentially from a first memory cell of said linear sensor depending on linear arrangement order sequentially to find out a plurality of specific memory cells with numbers equal to said parameters, wherein said specific memory cells are paired off and each pair of said specific memory cells marks a specific memory cell section; and

20

reading said specific memory cell sections sequentially depending on linear arrangement order.

25

20. The method of claim 19, wherein a method of determine the range of said specific memory cell sections when the amount of said parameters is odd, comprises:

choosing the first memory cell of all and a first one of said specific memory cells to be a specific memory cell section and pairing the other specific memory cells off; and

- 5 choosing the last one of said specific memory cells and the last memory cell of all to be a specific memory cell section and pairing the other specific memory cells off.